

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-139708

(43)Date of publication of application : 26.05.1998

(51)Int.Cl.

C07C 43/16
 C07C 69/54
 C07D303/20
 // C08F290/06
 C08F299/02
 C09D 4/00
 C09D 11/00
 C09J 4/00

(21)Application number : 08-311268

(71)Applicant : NIPPON KAYAKU CO LTD

(22)Date of filing : 08.11.1996

(72)Inventor : UCHIDA MAKOTO
 NOMICHI MINORU
 OGIWARA RIEKO

(54) POLYFUNCTIONAL VINYL ETHER, POLYMERIZABLE COMPOSITION AND ITS CURED MATERIAL

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new compound useful in various fields such as a coating agent, ink, coating material, adhesive, resist, printing plate material, etc., as a polymerizable composition low in skin irritation.

SOLUTION: This compound is shown by formula I [(n) is 1-2; X1 is a group of formula II ((m) is 0-2), a group of formula III ((1) is 0-2), etc., 20-90% of (2n+2)X1 is the group of formula II]. The compound of formula I is obtained by reacting pentaerythritol, etc., with a halo-aliphatic vinyl ether compound such as chloroethyl vinyl ether in the presence of a basic compound to give a compound of formula IV ((i) is 1-2; X2; X2 is H or a group of formula II and 20-90% of (2n+2)X2 is the group of formula II)a and reacting the compound with a compound (e.g. epichlorohydrin) of formula V (Y1 is a halogen; (h) is 0-2), etc., in the presence of a basic compound at -50 to 50° C for 10minutes to 48hours.

